

OPTICAL COUPLING UNIT

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ABSTRACT

An optical coupling unit for the coupling of at least one optoelectronic converter to an assigned optical waveguide. The coupling unit includes a monolithic glass block in which at least one integrated light guiding channel is produced by changing the refractive index of the glass material using laser irradiation. The glass block has at least one reflection surface, at which light signals are deflected between a light receiving surface and a light transmitting surface. The coupling unit provides a simple configuration including few components, can be produced by means of an automated production process and can be variably adapted to the given circumstances.